UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/936,210	09/10/2001	Trevor Wright	36-1473	2424

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EXAMINER
CHAI, LONGBIT

ART UNIT	PAPER NUMBER
2131	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

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	Application No.	Applicant(s)
Office Action Summary	09/936,210	WRIGHT ET AL.
	Examiner	Art Unit	
	Longbit Chai	2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _17 September 2007_.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-15_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-15_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _10 September 2001_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   Presently, pending claims are 1 – 15.

Continued Examination Under 37 CFR 1.114

2.   A request for continued examination under 37 CFR 1.114, including the fee set forth in
37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible
for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has
been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37
CFR 1.114. Applicant's submission filed on 9/17/2007 has been entered.

Response to Argument

3.   As per claim 1, Applicant asserts "(a) Farber will copy a file if it is changed in order to
update a cache. In contrast, Applicant's system will copy a file if it is not changed. That is,
Farber will copy a file if it is changed (Remarks: Page 9 Line 1 – 6)".   Examiner respectfully
disagrees because Applicant's argument has no merit since the alleged limitation "copy a file if it
is not changed " has not been recited into the claim. Besides, Farber teaches not only a file
may be copied when the file is changed for updating purpose but also a file may be copied if is
not change because the remote system did not have a file identifier or because it arrives as a
stream of un-name data (Farber' 5,978,791: Column 33 Line 31 – 39).

Claim Objection

4.   Claims 11 – 15 are objected to under 37 CFR 1.75(c), as being of improper dependent

form for failing to further limit the subject matter of the previous base claims. Applicant is

required to cancel the claims.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of
making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to
which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the
best mode contemplated by the inventor of carrying out his invention.

5.   Claims 1 – 15 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with

the written description requirement. Examiner notes the amended claim limitation such as "said

request including a pathname for the requested file" is not specifically disclosed in the

specification. The claim(s) contains subject matter which was not described in the specification

in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at

the time the application was filed, had possession of the claimed invention.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

A person shall be entitled to a patent unless –

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
such that the subject matter as a whole would have been obvious at the time the invention was made to a person
having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
manner in which the invention was made.

6.   Claims 1 – 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Farber et

al. (U.S. Patent 5,978,791), in view of Brickell (U.S. Patent 6,411,716).

        As per claim 1, 4, 5, 7 and 9, Farber teaches a server computer comprising:

        store arranged to store one or more computer files (Farber-8,791 : Column 34 Line 33 –

62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59

and Column 21 Line 52 – 57);

        store arranged to store at least one message digest code (MAC) (Farber-8,791: Column

34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12

Line 55 – 59 and Column 21 Line 52 – 57). However, Farber does not disclose expressly to

store at least one digital signature. Brickellg teaches storing at least one digital signature by

signing the document (Brickell : Column 1 Line 58 – 67).

        It would have been obvious to a person of ordinary skill in the art at the time the

invention was made to combine the teaching of Brickell within the system of Farber because

Brickell teaches a digital signature to ensure the authenticity and integrity of a digital content

(Brickell: Column 1 Line 58 – 67).

        Farber in view of Brickell teaches:

        each computer file having an associated digital signature using a singing key (Farber-

8,791: Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 –

14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57 & Brickell: Column 1 Line 58 – 67);

        receiver arranged to receive a request from at least one other computer for access to a

computer file stores an said server computer, said request including a pathname for the

requested file (Farber-8,791: Column 38 Line 1 – 4, Column 5 Line 37 – 41: Get is a request for

a file and the pathname is traverse across the network – i.e. the pathname can be used when requesting a file);

receiver arranged to use said pathname to retrieve said at least one requested computer file (Farber-8,791: Column 38 Line 1 – 4, Column 5 Line 37 – 41, Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57);

means arranged to to use said pathname to retrieve the digital signature or signatures associated with said at least one requested computer file (Farber-8,791: Column 38 Line 1 – 4, Column 5 Line 37 – 41, Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57& Brickell: Column 1 Line 58 – 67);

means arranged to calculate a digital signature for said requested file; a comparator arranged to compare said calculated digital signature with said retrieved digital signature (Farber-8,791: Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57 & Brickell: Column 1 Line 58 – 67); and

means arranged to deny said other computer access to the or each requested computer file if the comparator finds said calculated digital signature and said retrieved digital signature do not match (Farber-8,791: Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57 & Brickell: Column 1 Line 58 – 67).

As per claim 2, Farber as modified teaches means arranged to store a list of approved computer file signing parties; each computer file signing party having at least one associated

signing key with which to create digital signatures (Brickell: Column 7 Line 45 – 47); and in which said means arranged to validate the digital signature associated with each requested computer file invalidates said digital signature if said digital signature was created with a signing key not associated with an approved computer file signing party (Farber-8,791: Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57& Brickell: Column 1 Line 58 – 67).

As per claim 3, Farber as modified teaches said means arranged to validate the digital signature associated with said at least one requested computer file invalidates said digital signature if the current clock date is later than the expiry dare associated with the or each computer file (Farber-8,791: Column 23 Line 51 and Column 9 Line 57 – 58).

As per claim 6, Farber as modified teaches medium embodying computer readable: Code for loading into a computer and executable by said computer lo perform the method according to claim 5 (Farber-8,791: Figure 1(a)).

As per claim 8 and 10, Farber as modified teaches at least one digital signature associated at the server computer with a stored file has been created from the file by the server computer using a signing key (Farber-8,791: Column 34 Line 33 – 62, Column 14 Line 40 – 45 / Line 53 – 56, Column 13 Line 10 – 14, Column 12 Line 55 – 59 and Column 21 Line 52 – 57 & Brickell: Column 1 Line 58 – 67).

As per claim 11 – 15, Farber as modified teaches the received request includes a pathname of the requested file (Farber-8,791: Column 38 Line 1 – 4, Column 5 Line 37 – 41:
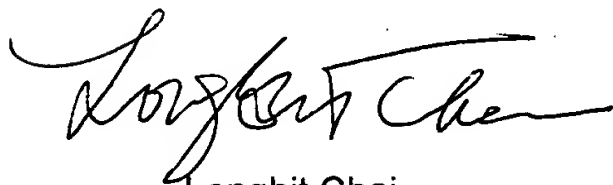
Get is a request for a file and the pathname is traverse across the network – i.e. the pathname

can be used when requesting a file).

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Longbit Chai whose telephone number is 571-272-3788. The examiner

can normally be reached on Monday-Friday 9:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ayaz R. Sheikh can be reached on 571-272-3795. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you

would like assistance from a USPTO Customer Service Representative or access to the

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Longbit Chai
Patent Examiner
Art Unit 2131
10/9/2007